AUTOMATIC WINDER FOR RESIDUAL PACKAGES

YARN WINDING & PROCESSING MACHINES
RECYCLING PACKAGES FROM RESIDUAL TUBES/CONES

MAIN USE

Fully automatic residual winder for recuperation of yarn from:
- Tufting creels
- Carpet weaving creels
- Extrusion packages
- Technical yarn packages

PACKAGE TYPE

- 250 mm traverse (10") - cylindrical

SET-UP

- Self contained double spindle unit, with minimal installation requirements.

PACKAGE DIAMETER

- Up to 410 mm. (16")

WINDING UNIT

- Spindle with individual motors and inverters for adjustable speed and crossing angle.
- Linear guiding system.
- Electronic length measurement.
- Finger tensioning device.
- Package holder with vibration damper.
- Electronically controlled anti-ribboning system.
- Air splicer or Fisherman’s knotter.
- Thermosplicer (optional) for wool & woolblends
- Very efficient doffing system with tube magazine under the spindle and 4 tubes in the magazine.
- Vacuum system for catching the yarn end on the package.
- Winding speed up to 1,000 m/min. (1,100 yds /min.)

WORKING PRINCIPLES

- Automatic change of feed tubes/cones.
- Pick-up and automatic splicing of ends.
- Package is doffed when set length is reached.
AUTOMATIC SPlicer OR FISHERMANN'S KNOTTER:

SPlicer

KNOTTER

CREEL TYPES

Mainly for feed packages with tube/cone lengths up to 300 mm (12”) and with a capacity for:

- 20 packages with a max. diameter of 100 mm (4”)
- 15 packages with a max. diameter of 150 mm (6”)
- 10 packages with a max. diameter of 200 mm (8”)
- 8 packages with a max. diameter of 275 mm (11”)

[Image of machinery]
### TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Material</th>
<th>PP, PA &amp; PES BCF yarns - Spun yarns</th>
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</thead>
<tbody>
<tr>
<td>Count range</td>
<td>600 to 20,000 dtex or 540 up to 18,000 den</td>
</tr>
<tr>
<td>Winding speed</td>
<td>up to 1,000 m/min. or 1,100 yds/min.</td>
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<tr>
<td>Package type</td>
<td>250 mm traverse (10&quot;) - cylindrical</td>
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<tr>
<td>Package diameter</td>
<td>up to 410 mm or 16&quot;</td>
</tr>
<tr>
<td>Electrical supply</td>
<td>3 x 400V or 3 x 480V + PE – 50 or 60 Hz</td>
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<tr>
<td>Total connected load</td>
<td>7.5 kVA per machine</td>
</tr>
<tr>
<td>Compressed air supply</td>
<td>min. 8 bar or min. 116 psi</td>
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<tr>
<td>Air connection</td>
<td>½ inch supply</td>
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</tbody>
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**GILBOS winding and processing machines for:**
- Rewinding
- Rewinding + CMS
- Assembly winding
- AirEntangling
- AirTwisting
- SmarTwisting
- Heatset winding

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